

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 April 2004 (22.04.2004)

PCT

(10) International Publication Number
WO 2004/032953 A1

(51) International Patent Classification⁷: A61K 38/20,
A61P 37/00, 33/00

(21) International Application Number:
PCT/DK2003/000691

(22) International Filing Date: 13 October 2003 (13.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2002 01546 11 October 2002 (11.10.2002) DK
PA 2002 01587 16 October 2002 (16.10.2002) DK
60/419,225 17 October 2002 (17.10.2002) US

(71) Applicant (for all designated States except US): NOVO
NORDISK A/S [DK/DK]; Novo Allé, DK-2880
Bagsvaerd (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RØMER, John
[DK/DK]; Carl Johansgade 11, 1.tv, DK-2100 Copenhagen
Ø (DK). MØLLER, Niels, Peter, Hundahl [DK/DK];

Midtermolen 4, 3., DK-2100 Copenhagen Ø (DK). SKAK,
Kresten [DK/DK]; Engkrogen 22, DK-2860 Søborg (DK).

(74) Common Representative: NOVO NORDISK A/S; Cor-
porate Patents, Novo Allé, DK-2880 Bagsvaerd (DK).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

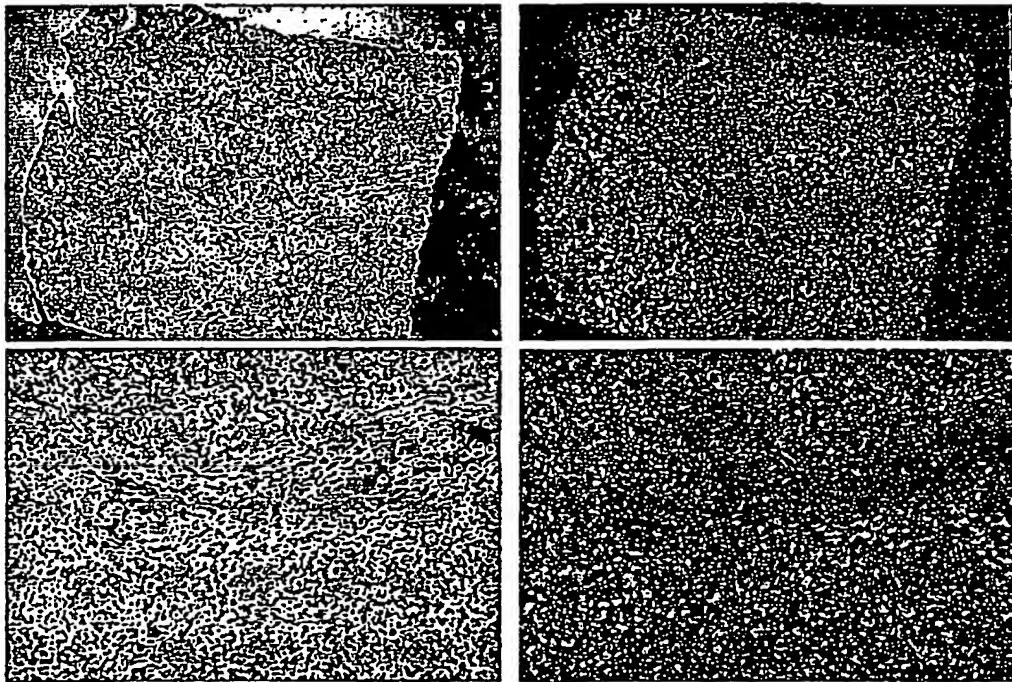
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: TREATMENT OF ALLERGIC CONDITIONS BY USE OF IL 21



WO 2004/032953 A1

(57) Abstract: The invention relates to the administration of IL-21 for management, treatment and prevention of diseases or conditions where eosinophils are involved in a protective response e.g. allergic reactions, allergic diseases, allergic conditions and parasites diseases.



- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.